



AAR-100

Human Factors Newsletter # 01-21

(October 13, 2001 – October 26, 2001)

Capstone: A CAMI scientist traveled to Anchorage, Alaska, to assist in the selection of a contractor for phase II of the Alaska Capstone Program. Phase II of the program will take place in the southeast part of Alaska, centered in Juneau. Additional avionics capabilities will be included in this phase of the program, including systems to support instrument flying, an integrated multi-functional display/GPS unit that will support flight planning and editing, display of weather, traffic, and terrain, and a separate flight display that will include a highway-in-the-sky and synthetic terrain graphics. The selection process is scheduled to be concluded in November, 2000. (K. Williams, CAMI)

AGATE: A CAMI scientist attended the 20th Digital Avionics System Conference in Daytona Beach, FL to present a paper entitled, "An AGATE Avionics Usability Survey". The conference includes research on advanced aircraft avionics by personnel from industry, academia, and government from around the country. (K. Williams, CAMI)

STARS: A research psychologist from the William J. Hughes Technical Center traveled to Raytheon, Marlborough to participate in the Standard Terminal Automation Replacement System (STARS) FS-2+ Early User Involvement Event. The FS-2+ system will be the national baseline for STARS deployment. Together with Air Traffic personnel, the Computer-Human Interface (CHI) was reviewed for functions that are added with this release of the system, including the Converging Runway Display Aid (CRDA) capability. Also reviewed was the implementation of various improvements based on previous CHI validations. (T. Yuditsky, WJHTC/ACT-530)

Air Carrier Automation Training: Air Transportation Human Factors researchers are working with Airborne Express, Continental Express, Midwest Express, and Piedmont Airlines in new efforts to improve automation training guidance. These carriers are interested in using two training and assessment tools developed by Air Transportation Human Factors researchers at the University of Central Florida - the Rapidly Reconfigurable Event Set Generator (RRLOE) used in designing simulator training, and the prototype automation knowledge assessment system which was just delivered to AFS-230. The RRLOE allows air carriers to reconfigure FAA-approved flight segments into unique scenarios in a very efficient manner. This improves the validity of pilot assessment. The automation knowledge assessment tool allows air carriers to test pilot knowledge of automated systems and provides feedback to pilots and instructors. This information allows carriers to tailor their automation training to address weaknesses. Both of

these tools were developed with US major carriers and are transitioning to regional carriers at this time. (E.Edens, AFS-230)

More information on human factors research can be found at the FAA Human Factors (AAR-100) web site: <http://www.hf.faa.gov>

Mark D. Rodgers
FAA (AAR-100)



October 30-31, 2001 – FAA Research, Engineering and Development Advisory Committee (REDAC) meeting, Washington, DC <mailto:tom.proeschel@faa.gov>

October 31-November 2, 2001 – Air Cargo Americas 2001, Sixth International Congress and Exhibition, Radisson Center, Miami, FL <http://www.worldtrade.org/>

November 4-8, 2001 – ATCA 46th Annual International Program & Exhibits, Washington Convention Center, Wash, D.C. <http://atca.org/>

November 5-8, 2001 – Joint meeting of the Flight Safety Foundation 54th International Air Safety Seminar, the International Federation of Airworthiness 31st Conference, and International Air Transport Association. Theme: Keeping People Safe in a Global Environment. Athens, Greece <http://www.flightsafety.org/>

November 8-10, 2001 – AOPA Expo 2001, Fort Lauderdale, FL <http://aopa.org/expo>

November 10-14, 2001 – Transcomp 2001, Charlotte, NC <mailto:info@nitl.org>

November 27-30, 2001 - The Third International Aviation Security Technology Symposium, Tropicana Resort & Casino, Atlantic City, NJ, sponsored by the FAA Aviation Security R&D Division and National Safe Skies Alliance. Symposium topics include: Trace Detection, Bulk Detection, Human Factors, Technical Integration, Operational Testing and Evaluation, Deployment, Aircraft Hardening, Emerging Technologies, and other related topics. http://www.safeskiesinternational.org/symposium_2001.htm

December 3-5, 2001 – MRO Asia 2001, Regal Hotel, Hong Kong
<http://www.aviationnow.com/conferences>

December 3-5, 2001 – Eye for Transport Miami 2001, the Hyatt Regency, Miami, FL
<http://www.eyefortransport.com/Miami2001>

December 3-7, 2001 – FAA/EUROCONTROL Air Traffic Management R&D Seminar, Santa Fe, New Mexico <http://atm2001.eurocontrol.fr>

December 10-11, 2001 – FAA/EUROCONTROL R&D Committee Meeting, Santa Fe, New Mexico <http://atm2001.eurocontrol.fr>

February 26-March 3, 2002 – Air Freight Expo 2002, Shangri-La Hotel, Singapore <http://www.eyefortransport.com/asia2001>

March 2002 – European Transportation Leaders Conference, Landmark Hotel, London <http://www.aviationnow.com/conferences>

March 7-8, 2002 – Potomac Chapter Human Factors and Ergonomics Society Mid-Year Symposium, Ft. Belvoir Officer's Club, Virginia <mailto:jerrykrueg@aol.com>

March 10-12, 2002 – Air Freight Expo 2002, <http://www.airfreightexpo.com/>

April 9-11, 2002 – Maintenance, Repair and Overhaul Conference & Exhibition, Phoenix Convention Center, Phoenix, AZ <http://www.aviationnow.com/conferences>

May 5-9, 2002 – 73rd Annual Scientific Meeting of the Aerospace Medical Association, Queen Elizabeth's Hotel, Montreal, Canada <http://www.asma.org/>

September 23-27, 2002 – Human Factors and Ergonomics Society 46th Annual Meeting, Pittsburgh Hilton and Towers, Pittsburgh, PA <http://www.hfes.org/>

April 7-27, 2003 – Aviation World's Fair, Newport News/Williamsburg, VA <http://www.worlds-fair.com/>

May 4-9, 2003 – 74th Annual Scientific Meeting of the Aerospace Medical Association, Convention Center, San Antonio, TX <http://www.asma.org/>

October 13-17, 2003 – Human Factors and Ergonomics Society 47th Annual Meeting, Adams Mark Denver Hotel, Denver, CO <http://www.hfes.org/>

May 2-7, 2004 – 75th Annual Scientific Meeting of the Aerospace Medical Association, Egan Convention Center, Anchorage, AK <http://www.asma.org/>

September 20-24, 2004 – Human Factors and Ergonomics Society 48th Annual Meeting, Sheraton New Orleans Hotel, New Orleans, LA <http://www.hfes.org/>

Note: Calendar events in Italics are new since the last Newsletter



Comments or questions regarding this newsletter?
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